

## Mosquito Repellent Finishing of Cotton Using Pepper Tree (*Schinus molle*) Seed Oil Extract

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**Abstract :** Mosquito repellent textiles are one of the most growing ways to advance the textile field by providing the needed characteristics of protecting against mosquitoes, especially in the tropical areas. These types of textiles ensure the protection of human beings from the mosquitoes and the mosquito-borne disease includes malaria, filariasis and dengue fever. In this work *Schinus Molle* oil (pepper tree oil) was used for mosquito repellent finish as a preformatted thing. This study focused on the penetration of mosquito repellent finish in textile applications as well as nature based alternatives to commercial chemical mosquito repellents in the market. Suitable techniques and materials to achieve mosquito repellency are discussed and pointed out according to our project. In this study textile, sample was treated with binder and schinus oil. The different property has been studied for effective mosquito repellency.

**Keywords :** cotton, *Schinus molle* seed oil, mosquito repellent, mosquito-borne diseases